

**SPECIFICATION AMENDMENTS**

Please amend paragraph 12 as follows:

--[012]The aforementioned aspects of the invention and other objectives and advantages can now be achieved as described herein. Temperature compensation methods and systems for physical property sensors are disclosed herein. An example of a physical property sensor is a fluid property sensor. A bridge circuit (e.g., a Wheatstone Bridge circuit) can be located on a physical property sensor substrate. Such a bridge circuit can include one or more heating elements and a plurality of resistors, including ~~at least one~~ a plurality of compensating resistors thereof. An imbalance of the bridge circuit can be driven to a zero value while a supply voltage thereof is simultaneously driven to a level required to stabilize the heating element at a constant temperature rise above ambient temperature. --